Amendments to the Claims:

Please amend claims 1 and 25 as follows. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) A method for providing and processing a cursored user interaction with a spatially displayed medical image and producing graphics related data on said medical image, wherein said method comprises the steps of:

providing a menu-less graphical interface;

displaying, essentially unobstructed, said medical image in a substantial portion of said graphical interface without the presence of menus, toolbars and control panels on said graphical interface;

controlling a mouse computer interface device having at least one button;

displaying a pointer symbol on said graphical interface, wherein said pointer symbol represents a current position of said mouse on said graphical interface;

tracking a status of each of said at least one button;

detecting a position of said mouse, wherein said position detection step is activated upon actuation of one of said at least one button;

generating one of a plurality of different measurement graphics related to a predefined set of measurement operations on said medical image upon at least one actuation of said at least one button, wherein one of the measurement graphics is an angle value quantity;

when said medical image is displayed on said graphical interface without the presence of menus, toolbars and control panels, enabling the generation of different measurement graphics based only upon actuation of said at least one button of said mouse when said

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pointer symbol is situated on said medical image such that the measurement graphics are

generated without movement of said pointer symbol outside of said medical image, and

enabling the generation of the at least three measurement graphics without requiring a user to

define in advance the type of measurement graphic being generated.

2. (original) A method as claimed in Claim 1, wherein a single-point

actuating/positioning assigns an actual pixel position and/or a pixel intensity quantity to the point

in question.

3. (original) A method as claimed in Claim 1, wherein a point pair

actuating/positioning assigns a distance value to the pair in question.

4. (canceled)

5. (original) A method as claimed in Claim 1, wherein multiple-point

actuating/positioning for an open or closed point sequence assigns an area value quantity to a

concave region delimited by the sequence in question.

6. (original) A method as claimed in Claim 1, wherein a freehand-drawn

actuating/positioning for an open or closed curve assigns an area value quantity to a concave

region delimited by said curve.

7. (original) A method as claimed in Claim 1, wherein multiple-point

actuating/positioning for an open or closed sequence assigns a poly-line measurement quantity to

the sequence so drawn.

8. (original) A method as claimed in Claim 1, wherein a freehand-drawn

actuating/positioning for an open or closed sequence assigns a measurement quantity to the

freehand sequence so drawn.

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9. (previously presented) A method as claimed in Claim 2, further comprising assigning a pixel staticizing to an assigned geometrical entity.

10. (previously presented) An apparatus arranged to provide and process a cursored user interaction with a spatially displayed medical image, wherein said apparatus comprises:

a menu-less graphical interface arranged to display, essentially unobstructed, said medical image in a substantial portion of said graphical interface without the presence of menus, toolbars and control panels on said graphical interface;

a pointing device having at least one button, wherein said pointing device is represented on said graphical interface by a standardized pointer symbol and wherein said pointer symbol represents a current position of said pointing device within the context of said graphical interface;

a processor configured to detect an actuation of each of said at least one button of said pointing device and track positions of said pointing device; and

a processor-internal list of measurement operations, said measurement operations being performed upon at least one actuation of the at least one button and producing at least three corresponding, different measurement graphics on said medical image, said processor being arranged to produce, when said medical image is displayed on said graphical interface without the presence of menus, toolbars and control panels, the at least three different measurement graphics based on said list of measurement operations only upon actuation of said at least one button of said pointing device when said pointer symbol is situated on said medical image such that the measurement graphics are produced without movement of said pointer symbol outside of said medical image.

11. (previously presented) An apparatus as claimed in Claim 10, further comprising

assigning means for assigning an actual pixel position and/or a pixel intensity quantity to a point

upon a single-point actuating/positioning.

12. (previously presented) An apparatus as claimed in Claim 10, further comprising

assigning means for assigning a distance value to a point pair upon a point pair

actuating/positioning.

13. (canceled)

14. (previously presented) An apparatus as claimed in Claim 10, further comprising

assigning means for assigning an area value quantity to a concave region delimited by an open or

closed point sequence upon a multiple-point actuating/positioning for the open or closed point

sequence.

15. (previously presented) An apparatus as claimed in Claim 10, further comprising

assigning means for assigning an area value quantity to a concave region delimited by an open or

closed curve upon a freehand-drawn actuating/positioning for the open or closed curve.

16. (previously presented) An apparatus as claimed in Claim 10, further comprising

assigning means for assigning a poly-line measurement quantity to an open or closed sequence

upon a multiple-point actuating/positioning of the open or closed sequence.

17. (previously presented) An apparatus as claimed in Claim 10, further comprising

assigning means for assigning a measurement quantity to a freehand open or closed sequence

upon a freehand-drawn actuating/positioning of the open or closed sequence.

18. (previously presented) An apparatus as claimed in Claim 11, further comprising

staticizing means for assigning a pixel staticizing to an assigned geometrical entity.

19. (previously presented) A machine readable computer program, said program implementing a menu-less graphical interface and arranged for processing cursored user interaction with a spatially displayed medical image for producing graphics related data on such image, for implementing a method as claimed in Claim 1, said program being arranged for sensing mouse positionings and/or actuations and for effecting inherent measuring functionalities based on relative such positionings with respect to an associated imaged medical object, and for subsequently outputting representations of said measuring functionalities for displaying in association with said medical object.

20 – 24. (canceled)

25. (currently amended)   A method as claimed in Claim 1, wherein ~~one of~~ the ~~measurement graphics is an~~ angle value quantity ~~which~~ is assigned to a middle point of a continuous triple-point actuating/positioning.

26. (previously presented) A method as claimed in Claim 1, wherein the at least three measurement graphics include a distance measurement between two points, an angle measurement between two lines formed by three points and an area measurement formed by a series of at least three points.

27. (previously presented) A method as claimed in Claim 1, wherein generation of the at least three measurement graphics is enabled immediately after said medical image is displayed on said graphical interface without intervening actuation of said at least one button of said mouse when said pointer symbol is situated on menus, toolbars and control panels.

28. (previously presented) A method as claimed in Claim 1, further comprising

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determining which of the at least three measurement graphics is generated based on the number

of points selected upon actuation of said at least one button of said mouse.

29. (previously presented) A method as claimed in Claim 1, further comprising

determining which of the at least three measurement graphics is generated based on the topology

of points selected upon actuation of said at least one button of said mouse.

30. (previously presented) A method as claimed in Claim 1, further comprising

determining which of the at least three measurement graphics is generated based on the number

and topology of points selected upon actuation of said at least one button of said mouse.

31. (previously presented) An apparatus as claimed in Claim 10, further comprising

assigning means for assigning an angle value quantity to a middle point of a continuous triple-

point actuating/positioning.

32. (previously presented) An apparatus as claimed in Claim 10, wherein the at least

three measurement graphics include a distance measurement between two points, an angle

measurement between two lines formed by three points and an area measurement formed by a

series of at least three points.

33. (previously presented) An apparatus as claimed in Claim 10, wherein generation of

the at least three measurement graphics is enabled by said processor immediately after said

medical image is displayed on said graphical interface without intervening actuation of said at

least one button of said pointing device when said pointer symbol is situated on menus, toolbars

and control panels.